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SECOND SUBSTITUTE SPECIFICATION

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Description

SUBSTITUTE SPEC.
/RHB/

One-way Clutch Spring

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Technical Field

The present invention relates to a spring used in a one-way clutch which is placed between an inner ring and an outer ring, which comprises engagement members that exert a wedge function to transmit a power between the inner and outer rings, and that cancel the wedge function to interrupt the power transmission between the inner and outer rings, and which urges the engagement member, and more particularly to a one-way clutch spring which can reduce a drag torque (friction torque) of the engagement members that is generated when a power of a one-way clutch is transmitted or interrupted.

Background Art

When power transmission and interruption between an inner ring and an outer ring are to be repeated, a one-way clutch is usually placed between the inner and outer rings.

FIG. 6(A) is a partial section view of a one-way clutch configured by a cage 3, a spring (ribbon spring) 16, and sprags 5 serving as engagement members, and FIG. 6(B) is an enlarged view of portion R in FIG. 6(A). In the one-way clutch, in order to enable the cage 3 to synchronize with the rotation of the outer